Lagrangian Drifters in SPURS

Luca Centurioni (SIO)

Resources (GDP contributions)

- 87 SSS drifters with GPS

- 87 SST drifters (Argos-no GPS)

I NEED SHIPPING ADDRESS TO VESSELS ASAP

Deployment Opportunities

FIRST DEPLOYMENT
July 29-August 28: Gilles Reverdin
SECOND DEPLOYMENTS
September 6- October 9: Farrar

Science goals

- Compute the mean advection of temperature and salinity by the near-surface horizontal flow and the near surface convergence of eddy fluxes of salt and temperature from Lagrangian (i.e. water following) drifter SSS and velocity observations;

$$\langle U\!\downarrow\!drifter \rangle \cdot \nabla \langle S \rangle \; and \; \langle U'\!\downarrow\!drifter \cdot \nabla S' \rangle$$

- Analysis of Aquarius SSS measurement errors with in situ SSS from drifters;